

REMARKS

In response to the October 1, 2002, Restriction Requirement in the above-identified application, the claims in need of restriction are no longer pending. On October 31, 2002, Applicants submitted by facsimile at the request of Examiner DeCloux a copy of the Preliminary Amendment originally filed with the application on July 13, 2001. The claims submitted with such Preliminary Amendment are the current pending claims:

19. An isolated CD39L4 polynucleotide comprising the nucleotide sequence of SEQ ID NO: 5.
20. An isolated polynucleotide encoding the amino acid sequence of SEQ ID NO: 6
21. An isolated polynucleotide comprising a nucleotide sequence encoding a fragment of the amino acid sequence of SEQ ID NO: 6, said fragment having phosphohydrolase activity.
22. The polynucleotide of claim 21 wherein said nucleotide sequence is a fragment if SEQ ID NO: 5.
23. An isolated polynucleotide encoding a polypeptide having phosphohydrolase activity, said polynucleotide comprising a nucleotide sequence that has at least about 90% sequence identity to SEQ ID NO: 5.
24. An isolated polynucleotide encoding a polypeptide having phosphohydrolase activity, wherein said polynucleotide hybridizes under highly stringent conditions to the complement of SEQ ID NO: 5.
25. The polynucleotide according to any one of the claims 20, 21, 23 or 24 that comprises 247-1530, 385-450, 613-660, 745-807 or 823-888 of SEQ ID NO: 5.
26. The polynucleotide according to any one of the claims 19-24 that is DNA.
27. A vector comprising the polynucleotide of any one of the claims 19-24.
28. A host cell comprising the vector of claim 27.
29. A host cell genetically engineered to contain a polynucleotide encoding the amino acid sequence of SEQ ID NO: 6 in operative association with a regulatory sequence that controls expression of the polynucleotide in the host cell.

30. A method of making a CD39L4 polypeptide comprising the steps of culturing the host cell of claim 28 in suitable culture medium and isolating the polypeptide from the cell or the culture medium.
31. A method of making a CD39L4 polypeptide comprising the steps of culturing the host cell of claim 29 in suitable culture medium and isolating the polypeptide from the cell or the culture medium.

The undersigned can be reached at 408-746-4536 if the Examiner wishes to discuss the response.

Respectfully submitted,

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